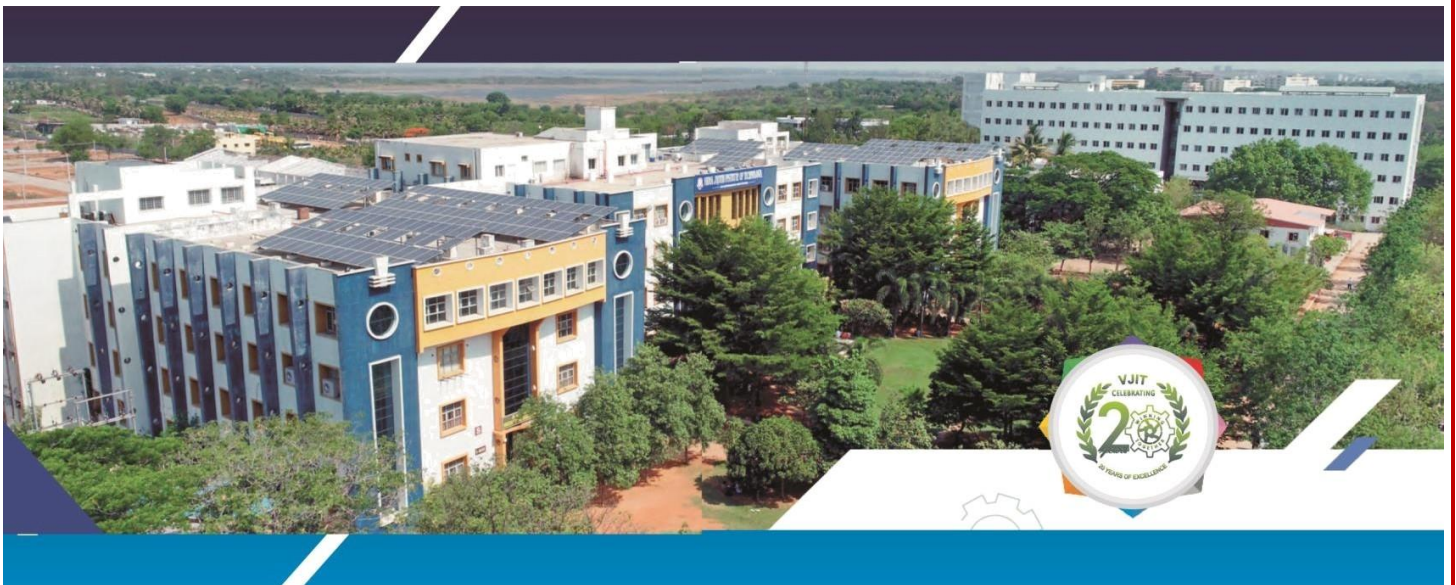




**VIDYA JYOTHI**  
**INSTITUTE OF TECHNOLOGY**  
AN AUTONOMOUS INSTITUTION

## INSTITUTE STRATEGIC PLAN 2020-25



The strategic plan of Vidya Jyothi Institute of Technology (VJIT) is developed with active involvement from all stakeholders through group discussions and a participatory approach at both institutional and departmental levels.

The strategic and perspective plans for all departments are prepared following the institutional plan, aligning with the institute's vision and mission. These plans are crafted to be both primary and flexible, encompassing academic, administrative, and quality-related issues.

#### **Academic Activities:**

- Adopt outcome-based education through student-centric teaching methods.
- Implement a choice-based credit system.
- Incorporate industry-oriented live projects.
- Encourage participation in hackathons and technical conferences.

#### **Administration:**

- Committees are involved in matters such as course structure, continuous evaluation, training and placement, industry interaction, career counseling, and entrepreneurship.
- Outreach and financial performance are managed to ensure the smooth and productive running of the teaching-learning process.

#### **Quality Sustainance:**

- Faculty are trained on cutting-edge technologies.
- Doctoral degree holders are recruited across various disciplines.
- Infrastructure is developed to support R&D activities.
- Professional bodies and their activities are promoted for the overall development of both staff and students.

The plan is developed with an objective of achieving excellence through optimum utilization of resources. Institution has a strong strategic plan prepared for 2020-25 aiming at clearly formulated objectives.

1. Facilitating high-quality knowledge
2. Curriculum as per industry trends/ Introduction of New Courses/Fast Track Curriculum
3. Fostering human values and all-round development
4. Development of competencies and skills/ Enabling to handle the technological challenges
5. Promote R&D and Consultancy through strong Industry-Institute interaction to address the societal problems
6. Create good infrastructural facilities for optimization of knowledge acquisition
7. Nurture the students holistically and make them competent to excel in the global scenario

Vidya Jyothi Institute of Technology (VJIT) conducts regular reviews of compliance with its strategic plan, assessing both long-term and short-term goals. The institution aims to conceptualize learning outcomes comprehensively, ensuring that graduates possess distinguished academic and personal abilities. The management recognizes the critical role of faculty quality and a diversified educational system in achieving the institution's full potential.

#### **Faculty Development and Higher Education:**

- The institution encourages existing faculty to pursue higher education, resulting in a Considerable increase in the number of faculty registered for Ph.D. programs.
- The institution aims to have 50% of its faculty with doctoral degrees within the next two years.

#### **Administrative Stability and Faculty Engagement:**

- VJIT focuses on maintaining administrative stability.
- The institution engages faculty in various faculty development programs, implementing measures to ensure their satisfaction and retention.
- As a result, VJIT has maintained an excellent faculty retention rate over the years.

The strategic plan at Vidya Jyothi Institute of Technology (VJIT) has been successfully implemented, with the outcomes now clearly visible. The institution's focus on both long-term and short-term goals, comprehensive learning outcomes, faculty development, administrative stability, and quality sustenance has resulted in significant progress and achievements.

### **Strategic Plan 2020-25**

<b>S.No.</b>	<b>Plan</b>	<b>Target</b>	<b>Action/Outcomes</b>
1.	NIRF Ranking	Participation in every academic year  Ranking below 200 Band	1. Student outcomes improvement 2. Placements Quality Improvement 3. Research Publications 4. Perception Focused on the above parameters during the years 2019-20:28.54 score  <b>2020-21: 251-300 rank band Overall Score:30.65</b>  <b>2021-22 : 200 Rank Overall Score:33.70</b>  <b>2022-23:200+Overall Score 35.122</b>
2.	ARIIA Ranking	Participation in every academic year	Focused on the below initiatives  1. MoE MIC Initiatives quarter wise

		<ol style="list-style-type: none"> <li>1. Innovation, Pre-Incubation &amp; Incubation Centre/Facilities exists in campus</li> <li>2. Start-ups have received Grant / funding from Pre-Incubation/Incubation Centre/Facilities</li> <li>3. Co-Incubation Partnership: Co-Incubation Partnership made with other Institutions either to offer incubation support (or) to receive incubation support</li> <li>4. Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities</li> <li>5. IP Granted and Published: Tech Transfer and Commercialized</li> <li>6. Total Expense towards innovation, IPR and Startup</li> </ol>	<ol style="list-style-type: none"> <li>initiated as per the calendar</li> <li>2. Programs Conducted by Institute Related to IPR, Entrepreneurship / Start-ups &amp; Innovation</li> <li>3. I&amp;E Programs Organized within the Campus</li> <li>4. Short time &amp; Elective / Core Credit in Innovation/IPR/Entrepreneurship</li> <li>5. IPR Cell / Patent Facilitation Unit</li> <li>6. Support from the institute for IPR</li> </ol> <p>2020-21 : 6-101 Rank 2021-22 : Rank not released this year to Institutes 2022-23 : 151-300 Rank/Band <i>Currently named as NIRF Innovation</i></p>
3.	NAAC	To get A++ Grade in NAAC	<ol style="list-style-type: none"> <li>1. Action on NAAC PEER TEAM Comments first Cycle</li> <li>2. A+ Grade awarded on July 12<sup>th</sup> 2022 with CGPA 3.33 valid up to July 11<sup>th</sup> 2027</li> <li>3. Focusing on the Peer team Comments of second cycle</li> </ol>
4.	NBA under Tier-1 for CSE,IT,ECE,EEE & Mech departments/NBA Civil Accreditation Tier-2  Civil Accreditation : Tier-1	<ol style="list-style-type: none"> <li>1. CSE,IT,ECE,EEE &amp; Mech: Visit Completed : <b>25<sup>th</sup> and 27<sup>th</sup> February 2022</b></li> <li>2. To apply for accreditation under Tier-1 (Civil Engg Department)</li> </ol>	<ol style="list-style-type: none"> <li>1. CSE,IT,ECE,EEE &amp; Mech: Accredited under Tier-1 for 3 years 2022-23 to 2024-25 valid up to 30/6/2025 and Civil department accredited under TIER-2 with 748 score</li> <li>2. SAR submitted in April 2024 and waiting for the expert team visit.</li> </ol>
5.	Autonomous Renewal	Second cycle of autonomous	<ol style="list-style-type: none"> <li>1. Second cycle of Autonomous expert committee visit completed in the month of <b>10<sup>th</sup> and 11<sup>th</sup> September 2021</b> and granted autonomy for 5 more</li> </ol>

		Preparation of the annual progress report for third cycle	years from <b>2021-22 to 2025-26.</b>
6.	Teaching and Learning Plan	<ol style="list-style-type: none"> <li>1. Development of smart classrooms with state- of- art facilities</li> <li>2. Use of more LCD and laptops in teaching and learning</li> <li>3. Extensive use of online Teaching and Learning resources (INFLIBNET )</li> <li>4. Teacher's skill enhancement through conferences and FDP's/STTP</li> </ol>	<ol style="list-style-type: none"> <li>1. Facilities have been increased.</li> <li>2. LCD projectors are available in all the classrooms and Laboratories</li> <li>3. Learning resources have been increased.</li> <li>4. Financial support provided for teachers to enhance effective teaching skills.</li> <li>5. Smart boards purchased.</li> </ol>
7.	Curriculum Improvement	<ol style="list-style-type: none"> <li>1. Internal and External Assessment: 30:70</li> <li>2. More MoUs for Student Exchange Programmes</li> <li>3. Introduction of MOOC's Credit Courses</li> <li>4. B.Tech Degree with Major/Minor</li> <li>5. To strengthen in the area of patents/ Student Innovation patents submission. Suggestions given in academic council and BoG Minutes</li> </ol>	<ol style="list-style-type: none"> <li>1. This has been initiated and implemented for the academic year 2022-23</li> <li>2. 3 &amp; 4 points are introduced under R20 regulations, i.e., from the academic year 2023-2024</li> </ol>
8	To increase the pass percentage	Incremental improvement of 5% every year	Department wise strategic plan has been prepared to improve in this direction.
9.	Attract Funds for Research Projects	At least one project per department	<ol style="list-style-type: none"> <li>1. Research projects granted: from DST letter No: DST/SEED/SCSP/STI/2022/946Rs. 1,18,61,430/- to the departments of CSE and AI</li> <li>2. Total Projects applied: 40 in academic year 2023-24 and waiting for the results.</li> </ol>
10.	Research Centers of University	All departments get recognized as Research Centers of University	<ol style="list-style-type: none"> <li>1. Recognized research centers in the departments of CSE,ECE,EEE and Mech Engg.</li> <li>2. Fresh Applications are submitted to University for the recognition of research centers in the departments of CIVIL &amp; MBA. Expert visit completed.</li> <li>3. To advertise for Ph.D admissions for the academic year 2023-2024 and conducting the entrance examination</li> </ol>

			in coordination with JNTUH.
11.	To increase the number of faculty with Ph.D qualification	Targeted to have 120 Ph.Ds	<ol style="list-style-type: none"> <li>1. At present 72 Ph.Ds are existing</li> <li>2. Recruiting more faculty with Ph.D's</li> <li>3. Encouraging more internal faculty members to pursue Ph.Ds and complete</li> <li>4. 110 faculty members have been registered for Ph.D's.</li> </ol>
12.	Enhancing Quality Research Publications	Encouraging for more peer reviewed publications	<ol style="list-style-type: none"> <li>1. To focus more on quality research papers.</li> <li>2. For the last 3 years Scopus: 335 and WOS : 81</li> <li>3. Target is to increase to 500 publications in indexed journals by 2025.</li> </ol>
13.	Applying for patents	To increase the number of Patents granted	<ol style="list-style-type: none"> <li>1. 17 patents granted and 48 patents are published</li> <li>2. Encouraging Faculty and Students Innovation submissions</li> <li>3. To focus on the revenue generation.</li> </ol>
14.	Incubator for Startups	<p>Applying for AICTE 'Technology Business Incubators' and 'Livelihood Business Incubators'</p> <p>DST : Technology Business Incubators</p> <p>DST : EDC funding</p>	<ol style="list-style-type: none"> <li>1. Institute has recognized MSME – Incubation Center</li> <li>2. DST NIMAT funding received for 2 academic years</li> <li>3. Plan has been initiated to apply for more schemes</li> </ol>
16.	Placements Quality Improvement	<ol style="list-style-type: none"> <li>1. To target for placement drives for an Annual salary Package of 3 lakhs and above</li> <li>2. To enhance the Technical/Coding skills in students</li> <li>3. Professional Communication Skills</li> <li>4. Placements through core companies</li> </ol>	<ol style="list-style-type: none"> <li>1. 1<sup>st</sup> year 2<sup>nd</sup> semester-Problem Solving (Aptitude) with Internal Trainer.</li> <li>2. Second year- Basics of Programming with Internal trainer.</li> <li>3. To target for high-package placements: Smart Interviews vendor for the Advanced Level training for the top 100 students in 3<sup>rd</sup> year 1<sup>st</sup> semester.</li> <li>4. In 4<sup>th</sup> year, company specific training for 6 to 8 days.</li> <li>5. Core training to Civil, Mech and Civil Engg departments by Gryphon vendor and placements opportunities.</li> <li>6. Instacks, for seamless assessment support for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year students.</li> <li>7. Certifications through Infosys SpringBoard, Edu Skills and Qlik.</li> <li>8. Projects : Small projects from second year to be made mandatory.</li> <li>9. More of student participation in</li> </ol>

			hackathons, coding related challenges and company specific challenges.
17.	Green Audit	<ol style="list-style-type: none"> <li>1. Procedure for Green Audit</li> <li>2. Activities under Green Campus</li> <li>3. Plastic free campus</li> </ol>	<ol style="list-style-type: none"> <li>1. Proper areas to identify for rain water harvesting and maintenance of existing pits.</li> <li>2. Maintenance of solid waste water management.</li> <li>3. Analysis of audit conducted by KR Energy Consultants .</li> </ol>
18.	Energy Audit	<ol style="list-style-type: none"> <li>1. Energy Audit Recommendation</li> <li>2. Electricity Bill Analysis</li> <li>3. Use of Solar Power PV and analysis (No. of units reduction)</li> </ol>	<ol style="list-style-type: none"> <li>1. Audit is conducted annually.</li> <li>2. Analysis of audit conducted by KR Energy Consultants.</li> </ol>
19.	Internal and External Academic Audit	Internal and external academic audit every academic year at the end of 2 <sup>nd</sup> semester	Internal & External Academic audit for the academic years 2021-22 and 2022-23 completed.
20.	Infrastructural Facilities	Improvement in infrastructural facilities	As per the department needs and student needs the Institute focuses on increasing infrastructural facilities annually.
21.	Enhance Engagement with Society and Industry  Industry Institute Cell	<ol style="list-style-type: none"> <li>1. Invite Industry experts for motivating students and provide practical knowledge</li> <li>2. Strengthen Campus placement and training facility by building more industry linkages</li> <li>3. Promote/Encourage students to work on real projects for industries</li> </ol>	<ol style="list-style-type: none"> <li>1. Department wise IIC Coordinators to strengthen IIC.</li> <li>2. Signing MoU's with Industries.</li> <li>3. Establishing more Centers Of Excellence.</li> </ol>
22.	Enhance alumni engagement	More interactions with alumni	More interactive sessions and also include senior alumni in BoG/IQAC/Academic council as members.
23	NEP Implementation	<p>Digital learning and Indian Knowledge system</p> <p>Adoption of Academic Bank of Credits</p> <p>Adoption of Multiple Entry and Exit</p>	Initiated work in this direction in line with affiliating University guidelines.
24	Hackthons/ Project Expos	Hackathons each semester, one for software and one for core branches	<p>Identifying the domains for hackathons</p> <p>Alumni mentors</p> <p>Industry mentors</p>
25	Professional Body activities/ Department club activities under	To Increase Student participation in various professional bodies and	Departments to identify experts to conduct the activities.

	each professional body/Department club	club activities	Minimum two activities per year under each Professional Body/ Departmental Club/ Institutional Clubs.
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